

**WHAT IS CLAIMED IS:**

1. A rubber-based composite material comprising  
a non-woven fabric;  
5 a coating of a metal or metallic compound reactable with sulfur, the coating  
being formed on a surface of filaments constituting the non-woven fabric by a physical  
vapor deposition (PVD) method or a chemical vapor deposition (CVD) method; and  
a rubber that adheres to the coating and that covers the non-woven fabric.
2. The rubber-based composite material according to claim 1, wherein the  
10 metal or metallic compound reactable with sulfur is cobalt or an oxide of cobalt.
3. The rubber-based composite material according to claim 1 or 2, wherein a  
sputtering method is used as the physical vapor deposition (PVD) method.
4. The rubber-based composite material according to claim 3, wherein the  
sputtering method is a magnetron sputtering method.
- 15 5. A rubber article wherein the rubber-based composite material according to  
claim 1 is used as a reinforcing material.
6. A tire wherein a rubber-based composite material according to claim 1 is  
used as a reinforcing material.